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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,653	12/13/2006	Hiroyuki Saimoto	5703-000014/US/NP 2294	
	7590 12/03/200 CKEY & PIERCE, P.I.	EXAMINER		
P.O. BOX 828	,	CHANDRAKUMAR, NIZAL S		
BLOOMFIELD HILLS, MI 48303			ART UNIT	PAPER NUMBER
			1625	
			MAIL DATE	DELIVERY MODE
			12/03/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applicat	ion No.	Applicant(s)		
Office Action Summary		10/575,6	353	SAIMOTO ET AL.		
		Examine	er	Art Unit		
		NIZAL S	. CHANDRAKUMAR	1625		
Period fo	- The MAILING DATE of this commun r Reply	ication appears on ti	ne cover sheet with the	correspondence ad	ldress	
A SHO WHIC - Exten after 9 - If NO - Failur Any re	DRTENED STATUTORY PERIOD F HEVER IS LONGER, FROM THE M sions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comr period for reply is specified above, the maximum st e to reply within the set or extended period for reply sply received by the Office later than three months d patent term adjustment. See 37 CFR 1.704(b).	IAILING DATE OF T of 37 CFR 1.136(a). In no enunication. atutory period will apply and will, by statute, cause the approximation.	THIS COMMUNICATIO event, however, may a reply be to will expire SIX (6) MONTHS from epilication to become ABANDONI	N. mely filed n the mailing date of this c ED (35 U.S.C. § 133).		
Status						
2a)⊠ 3)□	Responsive to communication(s) file This action is FINAL . Since this application is in condition closed in accordance with the practi	2b)⊡ This action is for allowance excep	non-final. ot for formal matters, pr		e merits is	
Dispositi	on of Claims					
5)□ 6)⊠ 7)□ 8)□	Claim(s) 1-11 is/are pending in the ala) Of the above claim(s) is/a Claim(s) is/are allowed. Claim(s) 1-11 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	re withdrawn from c				
	-					
10) -	The specification is objected to by the Grawing(s) filed on is/are Applicant may not request that any objected to a contract of the country of the cou	a) accepted or bection to the drawing(s) the correction is requ	be held in abeyance. Se ired if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 Cl	• •	
Priority u	nder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice 3) Inform	(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (Fination Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date	PTO-948)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	ate		

DETAILED ACTION

Applicants response filed 10/31/2008 is acknowledged.

Response to applicants Remarks:

Claim Rejections - 35 USC § 102

Applicants amendments overcome the previously presented rejections under 35 USC § 102.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Previously presented rejection of claims 1-11 as being obvious over Hosokawa et al. (WO 9404520) is maintained for reasons of record.

Applicants argue that since the claims are amended to remove the furanone compounds (that is the side chains of the instantly claimed compounds do not have the furanone moiety) and since Hosokawa neither teach nor suggest the effect of the presence or absence of such a substituent, the claimed compounds are non-obvious. This is not persuasive because: as stated in the previous office action page 4, last three

lines, the structural features necessary for the intended use of the compounds, is independent on the furanone moiety but largely dependent on the benzaldehyde part of the molecules. This would have been obvious to one skilled in the art of medicinal chemistry since Hosokawa' reference also teaches compounds in which cyclohexanone replaces furanone (see strictures shown on the bottom portion of page 4 of the previous office action). Thus applicants arguments that the instant compounds are no longer furanones and should be termed phenol derivatives is not persuasive because the major portion of the instantly claimed compounds and the prior art compounds are the same, the difference amounting to deletion of structural elements furanone and cyclohexanone from the compounds of Hosokawa et al. Such deletion of groups is routine practice in the art of medicinal chemistry to simplify structures of otherwise complex known natural products.

Applicants have not shown any unexpected activity for the claimed compounds for secondary considerations.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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Claim 1 is vague because in the claim 1, last line, the last comma in the R4 variable suggests that the structures on page 4 of 20 are part of the formula (I).

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIZAL S. CHANDRAKUMAR whose telephone number is (571)272-6202. The examiner can normally be reached on 8.30 AM - 4.30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres can be reached on 571 0272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nizal S. Chandrakumar

/D. Margaret Seaman/ Primary Examiner, Art Unit 1625